

INTERNATIONAL SEARCH REPORT

International application No.
PCT/KR2003/002801

A. CLASSIFICATION OF SUBJECT MATTER

IPC7 C01B 39/36, B01J 29/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7 C01B 39/36, B01J 29/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
Korean Patent and applications for inventions since 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
cKIPASS in KIPO, CA online

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4,891,199 (Rhône-Poulenc Spécialités Chimiques) 2. Jan. 1990 See Claim 1	1, 15, 18
A	US 5,254,327 (Intevep, S.A.) 19. Oct. 1993 See Col. 4 line 35 - Col. 5 line 4, Claim 1	1, 15, 18
A	US 5,240,892 (Mobil Oil Corporation) 31. Aug. 1993 See Col. 4 line 1-26, example 1-5, Claim 20	1, 15, 18
A	US 4,257,885 (Union Carbide Corporation) 24. Mar. 1981 See Col. 3 line 48 - Col. 4 line 45, Claims 5, 6, 8	1, 15, 18
A	US 6,180,550 (Mobile Oil Corporation) 30. Jan. 2001 See Col. 4 line 3 - 32, example 1	1, 15, 18
A	Yongsheng Li et al, "Preparation for ZSM-5 membranes by a two-stage varying-temperature synthesis", Separation and Purification Technology, 25, 459-466, Oct. 2001 See the introduction and membrane preparation	1, 15, 18

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

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"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family


Date of the actual completion of the international search

29 MARCH 2004 (29.03.2004)

Date of mailing of the international search report

29 MARCH 2004 (29.03.2004)

Name and mailing address of the ISA/KR

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/KR2003/002801

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 4891199	02.01.1990	FR 2552418	29.03.1985
		JP 60108317	13.06.1985
		EP 138680	11.09.1985
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